In re Application of

Atty. Docket

MICHEL P.B. VAN BRUGGEN et al. NL 020663

Serial No. 10/520,311

Group Art Unit: 2183

Conf. No.: 2504

Filed: January 5, 2005

Examiner: Vijayakumar,

Kallambella M.

Title: Transparent Polycrystalline Aluminium Oxide

Commissioner for Patents PO Box 1450 Alexandria, Virginia 22313-1450

PETITION UNDER 37 CFR §1.48(a)

Sir:

This is a Petition under 37 CFR §1.48(a) to add inventors Andreas Krell and Thomas Hutzler to the above identified patent application.

A Declaration signed by all the inventors, Statements of Facts, authorization to charge the Petition fee, and the written consent of the assignees (Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. and Koninklijke Philips Electronics N.V.) are submitted herewith.

Appl. No. 10/923,278
Petition dated June 7, 2005
Addition of inventor under 37 CFR §1.48(a)

Please charge the fee for this petition under 37 CFR \$1.17(i) to deposit account 14-1270.

Respectfully submitted,

By Frank J. Keegan,

Reg. No. 50,145

Attorney

January 17, 2007 (914) 333-9669

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

(includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER

PHNL020663 US

As a below	named inventor, I	hereby declare that:		
My residen	ce, post office add	ess and citizenship are as sta	ted next to my name.	
plural name	s are listed below)	of the subject matter which is	name is listed below) or an original claimed and for which a patent is sthe specification of which (check o	sought on the invention
☐ is attach	ed hereto.			
was filed was fil	l as United States	application		
Serial No	10/520,311			
on	05 January 2	005		·
and was am	nended			
on	05 January 200	05		
⊠ was filed	l as PCT internatio	nal application		
Number	PCT/IB2003/028	74		
On	25 June 2003			
		A-4:-1- 40		
and was arr	ended under PCT	Article 19		<i>a</i> e
on 		233.		(if applicable).
		wed and understand the control	ents of the above-identified specific	ation, including the
	ge the duty to disc de of Federal Regu		erial to the examination of this appli	cation in accordance with
or inventor's States of An any PCT int	s certificate or of an nerica listed below ernational applicat	ny PCT international application and have identified below any ion(s) designating at least one	States Code, § 119 of any foreign a on(s) designating at least one country of foreign application(s) for patent or e country other than the United State of the application(s) of which priority	ry other than the United inventor's certificate or es of America filed by me
PRIOR FOR	REIGN/PCT APPLI	CATION(S) AND ANY PRIOR	ITY CLAIMS UNDER 35 U.S.C. 11	9:
CC	DUNTRY	APPLICATION NUMBER	DATE OF FILING DAY, MONTH, YEAR	PRIORITY CLAIMED UNDER 35 USC 119
Europe		02077783.5	10 July 2002	YES
				1

Combined Declaration For Patent Application and Power of Attorney (Continued) Attorneys Docket Number (includes Reference to PCT International Applications) PHNL020663 US POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number) Direct Telephone Calls to Jack E. Haken, Reg. No. 26,902 (name and telephone number) Michael E. Marion, Reg. No. 32, 266 (914)332-0222 Edward M. Blocker, Reg. No. 30,245 FULL NAME OF FAMILY NAME FIRST GIVEN NAME SECOND GIVEN NAME INVENTOR VAN BRUGGEN Michel Paul Barbara RESIDENCE & STATE OR FOREIGN COUNTRY COUNTRY OF CHIZENSHIP CITY 201 CITIZENSHIP Eindhoven The Netherlands The Netherlands POST OFFICE POST OFFICE ADDRESS STATE & ZIP CODE/COUNTRY CITY **ADDRESS** Prof. Holstlaan 6 5656 AA Eindhoven The Netherlands FIRST GIVEN NAME SECOND GIVEN NAME FAMILY NAME FULL NAME OF INVENTOR KOP Arnold RESIDENCE & CITY STATE OR FOREIGN COUNTRY COUNTRY OF CITIZENSHIP 202 CITIZENSHIP Eindhoven The Netherlands The Netherlands POST OFFICE POST OFFICE ADDRESS STATE & ZIP CODE/COUNTRY ADDRESS Prof. Holstlaan 6 5656 AA Eindhoven The Netherlands I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that will full false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 if Title 18 of the United states Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

THE CONTRACT OF THE CONTRACT O

Combined Declaration For Patent Application and Power of Attorney (Continued) Attorneys Docket Number							
	(includes Reference to PCT International Applications)						
POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)							
				,	,		
Jack l	Jack E. Haken, Reg. No. 26,902 Direct Telephone Calls to:						
Michael E. Marion, Reg. No. 32, 266 (name and telephone number) (914)332-0222					•		
Edwa	rd M. Blocker, Re	g. No. 30,245			(314)332-0222		
	FULL NAME OF	FAMILY NAME		FIRST GIVEN NAME	 	SECOND GIVEN NAME	
	INVENTOR	VAN BRUGGEN		Michel		Paul Barbara	
201	RESIDENCE &	CITY				COUNTRY OF CITIZENSHIP	
	CITIZENSHIP	Eindhoven			1	The Netherlands	
	POST OFFICE	POST OFFICE ADDR		The Netherlands		STATE & ZIP CODE/COUNTRY	
	ADDRESS	Prof. Holstlaan 6		5656 AA Eindhoven		The Netherlands	
	FULL NAME OF	FAMILY NAME		FIRST GIVEN NAME		SECOND GIVEN NAME	
	INVENTOR	КОР		Theo		Arnold	
202	RESIDENCE &	CITY		STATE OR FOREIGN COUNTRY		COUNTRY OF CITIZENSHIP	
		Eindhoven	700			The Netherlands	
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		5656 AA Eindhoven		The Netherlands	
ADDRESS Prof. Holstlaan 6		5656 AA EINGNOVEN		The Netherlands			
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true: and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 if Title 18 of the United states Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.							
Ro			Ko	FINVENTOR 202			
DATE	DATE Jan. 8, 2007						

Combined Declaration For Patent Application and Power of Attorney (Continued) Attorneys Docket Number PHNL020663 US (includes Reference to PCT International Applications) POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number) Direct Telephone Calls to: Jack E. Haken, Reg. No. 26,902 (name and telephone number) Michael E. Marion, Reg. No. 32, 266 (914)332-0222 Edward M. Blocker, Reg. No. 30,245 FULL NAME OF FAMILY NAME FIRST GIVEN NAME SECOND GIVEN NAME INVENTOR Theodora Antonia Petra Maria **KEURSTEN** CITY RESIDENCE & STATE OR FOREIGN COUNTRY COUNTRY OF CITIZENSHIP 203 CITIZENSHIP Eindhoven The Netherlands The Netherlands POST OFFICE ADDRESS STATE & ZIP CODE/COUNTRY POST OFFICE CITY **ADDRESS** 5656 AA Eindhoven Prof. Holstlaan 6 The Netherlands FULL NAME OF FAMILY NAME FIRST GIVEN NAME SECOND GIVEN NAME INVENTOR KRELL Andreas RESIDENCE & STATE OR FOREIGN COUNTRY COUNTRY OF CITIZENSHIP CITY 204 CITIZENSHIP Germany STATE & ZIP CODE/COUNTRY Dresden Germany POST OFFICE POST OFFICE ADDRESS CITY **ADDRESS** D-01217 Dresden Altkaitz 7 Germany

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true: and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 if Title 18 of the United states Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 203

SIGNATURE OF INVENTOR 204

SIGNATURE OF INVENTOR 204

DATE JOHN DATE 4-19.11, 2006

		n For Patent Applic		er of Attorney (Continue	d)	Attorneys Docket Number PHNL020663 US
				the following attorney(s) and/o . (List name and registration n		secute this application and transact
Micha	E. Haken, Reg. No ael E. Marion, Re rd M. Blocker, Re	g. No. 32, 266			Direct Telephor (name and tele (914)332-02	phone number)
203	FULL NAME OF INVENTOR	FAMILY NAME KEURSTEN		FIRST GIVEN NAME Theodora		SECOND GIVEN NAME Antonia Petra Maria
	RESIDENCE & CITIZENSHIP	CITY Eindhoven		STATE OR FOREIGN COUNTRY The Netherlands		COUNTRY OF CITIZENSHIP The Netherlands
	POST OFFICE ADDRESS	POST OFFICE ADDR Prof. Holstlaa	-	5656 AA Eindhoven		STATE & ZIP CODE/COUNTRY The Netherlands
204	FULL NAME OF INVENTOR	FAMILY NAME KRELL		FIRST GIVEN NAME Andreas		SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY Dresden		Germany CITY D-01217 Dresden		COUNTRY OF CITIZENSHIP Germany
	POST OFFICE ADDRESS	POST OFFICE ADDR Altkaitz 7	ESS			STATE & ZIP CODE/COUNTRY Germany
true: a	nd further that these	statements were made der section 1001 if Title 1	with the knowledge	e that willful false statements a	and the like so ma	ormation and belief are believed to be ade are punishable by fine or s may jeopardize the validity of the
			_			
SIGNATURE OF INVENTOR 203			SIGNATURE OF	INVENTOR 204		

DATE

Combined Declaration For Patent Application and Power of Attorney (Continued) (includes Reference to PCT International Applications) Attorneys Docket Number PHNL020663 US POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact						
all business in the Patent and Trademark Office connected therewith. (List name and registration number)						
Jack E. Haken, Reg. No. 26,902 Michael E. Marion, Reg. No. 32, 266 Edward M. Blocker, Reg. No. 30,245					Direct Telephone Calls to: (name and telephone number) (914)332-0222	
	FULL NAME OF INVENTOR	FAMILY NAME HUTZLER CITY Dresden POST OFFICE ADDRESS Burgkstrasse 19		FIRST GIVEN NAME Thomas		SECOND GIVEN NAME
205	RESIDENCE & CITIZENSHIP			STATE OR FOREIGN COUN Germany	ITRY	COUNTRY OF CITIZENSHIP Germany
	POST OFFICE ADDRESS			D-01159 Dresden		STATE & ZIP CODE/COUNTRY Germany
	FULL NAME OF INVENTOR	FAMILY NAME		FIRST GIVEN NAME		SECOND GIVEN NAME
206	RESIDENCE & CITIZENSHIP	CITY		STATE OR FOREIGN COUNTRY		COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		CITY		STATE & ZIP CODE/COUNTRY
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true: and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 if Title 18 of the United states Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.						
The	SIGNATURE OF INVENTOR 205 SIGNATURE OF INVENTOR 206 DATE DATE DATE					
DATE Auy. 22, 2006 DATE				0,0		

In re Application of

Atty. Docket

MICHEL P.B. VAN BRUGGEN et al. NL 020663

Serial No. 10/520,311

Group Art Unit: 2183

Conf. No.: 2504

Filed: January 5, 2005

Examiner: Vijayakumar,

Kallambella M.

Transparent Polycrystalline Aluminium Oxide

Honorable Commissioner for Patents PO Box 1450 Alexandria, Virginia 22313-1450

STATEMENT OF FACTS UNDER 37 CFR §1.48(a)(2)

Sir:

I, Thomas Hutzler, hereby state that I was omitted from being listed as an inventor in error and that the error occurred without deceptive intention on my part.

In re Application of Atty. Docket

MICHEL P.B. VAN BRUGGEN et al. NL 020663

Serial No. 10/520,311

Group Art Unit: 2183

Conf. No.: 2504

Filed: January 5, 2005

Examiner: Vijayakumar,

Kallambella M.

Title: Transparent Polycrystalline Aluminium Oxide

Honorable Commissioner for Patents PO Box 1450 Alexandria, Virginia 22313-1450

STATEMENT OF FACTS UNDER 37 CFR §1.48(a)(2)

Sir:

I, Andreas Krell, hereby state that I was omitted from being listed as an inventor in error and that the error occurred without deceptive intention on my part.

d. Will Andreas Krell

Date

Aug. 11, 2006

In re Application of

Atty. Docket

MICHEL P.B. VAN BRUGGEN et al. NL 020663

Serial No. 10/520,311

Group Art Unit: 2183

Conf. No.: 2504

Filed: January 5, 2005

Examiner: Vijayakumar,

Kallambella M.

Transparent Polycrystalline Aluminium Oxide Title:

Honorable Commissioner for Patents PO Box 1450 Alexandria, Virginia 22313-1450

CONSENT OF ASSIGNEE UNDER 37 CFR §1.48(a)(5)

Sir:

Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. hereby consents to the correction of inventorship by addition of Andreas Krell and Thomas Hutzler.

A 37 CFR 3.73(b) certification is attached herewith.

Printed Name: Authorized Representative

Date: 78/09/09

Dr. Helmut Schubert Head of Patent Department Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.

4. Out

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)				
Applicant/Patent Owner: Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.				
Application No./Patent No./Control No.: 10/520,311 Filed/Issue Date: January 5	2005			
Entitled: Transparent Polycrystalline Aluminium Oxide				
Fraunhofer-Gesellschaft (full name as shown above) ,a corporation				
(Name of Assignee) (Type of Assignee: corporation, partners that it is:	ership, university, government agency, etc.)			
1. the assignee of the entire right, title, and interest; or				
2. an assignee of less than the entire right, title and interest (The extent (by percentage) of its ownership interest is 50 %)				
in the patent application/patent identified above by virtue of either:				
A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel, Frame, or a true copy of the original assignment is attached.				
OR B. A chain of title from the inventor(s), of the patent application/patent identified above, to	the current assignee as follows:			
From: To: The document was recorded in the United States Patent and Trademark Office and Trademark Of				
The document was recorded in the United States Patent and Trademark Office and Reel, Frame, or for which a copy thereof is				
2. From:To:To:To:To:The document was recorded in the United States Patent and Trademark Office and Trademark Office are stated in the United States Patent and Trademark Office are stated are stated and Trademark Office are stated are stated are stated are stated				
Reel, Frame, or for which a copy thereo				
3. From:				
The document was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.				
Additional documents in the chain of title are listed on a supplemental sheet.				
As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11. [NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]				
The undersigned (whose title 13 supplied below) is authorized to act on behalf of the assigned	a .a			
Signatura -	<u> 28/09/06</u> Date			
Signature				
Printed or Typed NameHelmut Schubert Head of Patent Department Fraunhofer-Gesellschaft zur Förderung	Telephone Number			
Title der angewandten Forschung e.V.				

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PHNL020663 US

ASSIGNMENT

The undersigned, Andreas KRELL of Altkaitz 7, 01217 Dresden, Federal Republic of Germany; Thomas HUTZLER of Burgkstrasse 19, 01159 Dresden, Federal Republic of Germany, hereby declare that they are applicants of U.S. patent application Serial No. 10/520,311 which is a 371 of international application No. PCT/IB03/02874, filed with the IB of WIPO on the 25th June 2003 and entitled: "Transparent polycrystalline aluminium oxide" and they further declare that they assign herewith their rights to this invention, as far as the United States of America are concerned, to: FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG e.V. of Hansastrasse 27c, 80686 Munich, Federal Republic of Germany.

In testimony whereof they have hereunto set their signatures.

Location

Date:

Andreas KRELL

Location Dresdon,
Date: Mony 17, 2006

Thomas HUTZLER

In re Application of Atty. Docket

MICHEL P.B. VAN BRUGGEN et al. NL 020663

Serial No. 10/520,311 Group Art Unit: 2183

Conf. No.: 2504

Filed: January 5, 2005 Examiner: Vijayakumar,

Kallambella M.

Title: Transparent Polycrystalline Aluminium Oxide

Honorable Commissioner for Patents PO Box 1450 Alexandria, Virginia 22313-1450

CONSENT OF ASSIGNEE UNDER 37 CFR §1.48(a) (5)

Sir:

Koninklijke Philips Electronics N.V. hereby consents to the correction of inventorship by addition of Andreas Krell and Thomas Hutzler.

A 37 CFR 3.73(b) certification is attached herewith.

Michael Marion

Authorized Representative

15/07

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)				
Applicant/Patent Owner: Koninklijke Philips Electronics N.V.				
Application No./Patent No./Control No.: 10/520.311	Filed/Issue Date: <u>January 5, 2005</u>			
Entitled: Transparent Polycrystalline Aluminium Oxide				
Koninklijke Philips Electronics N.V.	, a corporation			
(Name of Assignee)	(Type of Assignee: corporation, partnership, university, government agency, etc.)			
states that it is: 1. the assignee of the entire right, title, and interest; or				
2. ✓ an assignee of less than the entire right, title and interest (The extent (by percentage) of its ownership interest is <u>□□</u> %)				
in the patent application/patent identified above by virtue of eith	er:			
A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel <u>017273</u> , Frame <u>0833</u> , or a true copy of the original assignment is attached. OR				
B. A chain of title from the inventor(s), of the patent applicat	•			
From: The document was recorded in the United States	·			
The document was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.				
From: To The document was recorded in the United States				
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From:To The document was recorded in the United States	·			
The document was recorded in the United States	Patent and Trademark Office at			
Reel, Frame, or for which a copy thereof is attached.				
Additional documents in the chain of title are listed on	a supplemental sheet.			
As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11. [NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]				
The undersigned (whose title is supplied below) is authorized to	o act on behalf of the assignee. January 17, 2007			
Signature	Date			
Frank J. Keegan, reg. no. 50,145	914-333-9669			
Printed or Typed Name Telephone Number				
Corporate Counsel Title				

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.